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Sample card to our  
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OFFICIAL QSL CARD

Project: Crows in the Sky  
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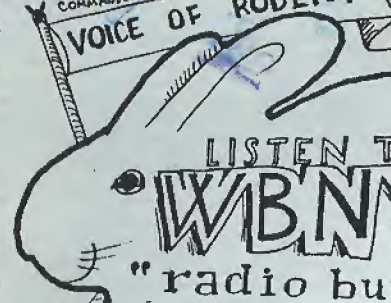
COMMANDER BUNNY

Confirming your receipt  
of WBNY:

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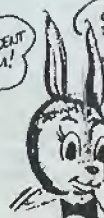
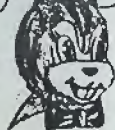
VOICE OF RODENT



ALL SPECIES - EVEN  
EXCITED HUMAN - SUPPORT  
THE RABBIT-LED FIGHT  
FOR RODENT  
DOMINION!



UNITE AND  
FIGHT FOR RODENT  
FREEDOM!



WIBBLE  
NIBBLE

SEP  
SEP

**IMPORTANT!!!** IF YOU DON'T READ ANYTHING ELSE IN THE BULLETIN, PLEASE READ THIS! Welcome to the May Dialogs. The loggings this month are once again very numerous. This column is helped tremendously by those that use the logging forms -- it allows me to presort the data before typing it into the word processor. If you don't have any logging forms, please send an SASE to me and I'll send you copies to duplicate for your use. (Also a copy should be included in this issue if possible.) Some reminders to our reporters: PLEASE make sure to put your name on each logging form. I had a couple of slips that I had to compare handwriting to determine the reporter's name. Some of the letters I have received have been almost impossible to decipher and require a much greater effort to input them since it is not possible to sort the loggings contained in them, therefore, my plea to again use the logging forms. On another topic, some stations are announcing the ACE as their mailing address, or source of QSLs. We do not have any way to forward reports to stations. Reports for QSLs should be sent to one of the regular maildrop addresses (see John Arthur's "Directory"), who may be able to forward to stations. If you wish your addr printed in the PSE QSL section, PLEASE include your address on at least one of your loggings forms. It really slows me down if I have to get into the data base and extract an address.

**PLEASE NOTE A SPECIAL, EARLY CUT-OFF FOR THE JUNE ISSUE:** All loggings for the June issue must be received at the Shawnee Mission addr no later than May 20th. Don Bishop will be the acting publisher for the month as I will be out of town, but I need to complete my column prior to my departure. The deadline after this special June issue will return to the 25th of the month.

The Dialogs address is: P. O. Box 11201, Shawnee Mission, KS 66207.

## NORTH AMERICAN - SHORTWAVE

**Black Radio, South Carolina:** 7390, 3/25, 0119-0140, SIO=253. QSO w/ "South Carolina Jo." Possibly 2 white CBers making fun of blacks. Not sure if QSO was intentional. "Black Radio" DJ may have been black. PSE QSL. (PROVANCE,OH)

**CHGO:** 7415.2v, 4/8->9, 2348-0158\*. Rock mx by Stones, Who, Pink Floyd, etc w/ OM Long John Silver. Some classical mx. Long talk abt lobbying Congress to legalize a low power free radio SWBC band. No addr. Drifted down 400 Hz. PSE QSL. (ZELLER,OH) (PROVANCE,OH) (D'ANGELO,PA) (SPURLOCK,TN) (BREWER,NM) (BAXTER,KS) (BARNARD,ONT) 7415, 4/9, 0006-0200+. Variable sig, S-1 to S-8. Marathon bcst w/ anncd 20 watts. Format/playlist almost identical to earlier bcsts, so likely a rebcst. Claimed QTH of Chicago, but sig was so variable, this is doubtful. (SACHS,IL)

**East Coast Beer Drinker:** 7415, 4/15, 2357-0035, SIO=444. QSO w/ ECPR, R Ganymede, R Sigmund Freud, WFRI, KBFA. QTH in deepest, darkest Maine. PSE QSL. (PFAFF,VA) 7415, 4/16, 0045-0156\*, SIO=343. QSO w/ R Ganymede, Rev Voice of Slanesville, Outlaw X & R Free Kampuchea. (PFAFF,VA) 7415.3, 4/16, 0147-0239, SIO=353. QSOs w/ R. Ganymede, Rev V of Slanesville, Outlaw X, 4th of July R. Said to report to PopComm for QSLs. PSE QSL. (PROVANCE,OH)

**East Coast Pirate Radio:** 7415, 4/14, 2356+. Test w/ requests for sig rpts which started QSO w/ ECPR, WXZR, Rockabilly, R USA, V of Monotony, Samurai R., WKZP, & KBFA. (BONNETT,OH) (DUNN,OH) ECPR anncd 105 watts. (PFAFF,VA) 7415, 4/15, 1819-1830, SIO=444. QSO w/ East Coast Beer Drinker & R. Ganymede. Played "Devil in the Blue Dress" & "House of the Rising Sun." Tested on 16045, but not hrd. QSO resumed at 1906. (PFAFF,VA) 7415-7420, 4/22, 0403-0536 sporadic, SIO=454. Mx by the Who "5:15" & "Love, Reign O'er Me" w/ lots of breaks & open carrier. 0434 "Test" 0435 R. Clandestine w/ recorded annmt. ECPR tried to contact RC, but hrd recording repeated. 0444 hrd R. Morania ID & ECPR made contact. 0457 had Beatles mx w/ Earth Day talk. More

RC & Morania IDs; short contact w/ RF Burns. (SUESS,WI) (VICKONOFF,CA)

**Fourth of July Radio:** 7410, 4/1, 0100-0121\*, SIO=333. OM anncr IDed as "Fourth of July Radio," but not as R. America. Last name of DJ was Johnson. Rock mx. Live UTC April Fool's Day TC, w/ advice to turn clocks ahead for DST. Sketch w/ pilots or astronauts & sound effects. Said would announce addr, but did not. QRM de Cuban RTTY below & Moscow co-channel. PSE QSL. (ZELLER,OH) (PROVANCE,OH) 7415, 4/16, 0234-0239. QSO w/ Outlaw X, ECBD & R. Ganymede. (PROVANCE,OH)

**Hello Radio/R. Kennedy/UNID:** 7414v, 4/16, 0130-0300, SIO=131-333+. Hello R. calling R. Kennedy w/ RK hrd weakly under QRM. Raspy voiced DJ hrd on & off. Sounded like TV pgm relay. (no name)

**Hope Radio Int'l:** 7376, 3/24, 0256+. Pirate logs & DX news. (BONNETT,OH) 7390, 3/29, 0312+, SIO=555. Pirate Radio DX pgm & relay of RCCL. Slanesville addr. (SUNDERLIN,VA) 7378.6v, 4/22, 0520-0559\*, SIO=333. Talk abt recent pirate activity & receipt. rpts. Country mx w/ comedy club show. WV addr. Contact by another pirate not successful as HRI lacked SSB reception. 100 watts anncd. Acoustic mx. Some drift downward. (SPURLOCK,TN) (SUESS,WI)

**KBFA:** 7415, 3/9, 2349-0035, SIO=333. Rock mx w/ DJ "The Archer." GMT TCs. Rpt to PopComm. "Rev. Pete" spot; "buy America" promos. Tx abt pirate radio. PSE QSL. (ROSS,ONT) 7415, 4/15, 0027-0035, SIO=243. QSO w/ other stns. Mentioned that this must be pirate night out. (PFAFF,VA) 7415, 4/15, 0035-0046\*, SIO=343. QSO w/ WXZR after QRT of other QSO. "The Archer" IDed as "Broadcasters of Free America." Said usually on 8000 kHz, but occ on 41m. WXZR tried to get addr, but no luck. KBFA anncd being on 15 yrs. Talk abt Edward Teach & PopComm. PSE QSL. (ZELLER,OH) (DUNN,OH) 7415, 4/15, 1931-2000, SIO=343. QSO w/ ECPR & others. Said would QSL to PA drop. PSE QSL. (PFAFF,VA) 7415, 4/22, 0021, SIO=333. Only hrd ID. Wish they'd get addr. (ARTHUR,NY)

**KFAT:** 7400.4v, 4/21, 0202-0246\*, SIO=454. Welcome return of an old-timer. Various country mx. IDs of "KFAT - the People's Choice" & "KFAT - the Fat One." Fast-talking OM w/ retail sale sketch. Ads for beef flavored gum & inept phone co. workers. Little Queen Beer ad from tree frog brewery. Ads for Turd Pie; songs "Home Grown Tomato," "Barnyard Dance," & "Rutabaga Boogie" No addr, but listed as Wellsville in Arthur's Directory. (ZELLER,OH) (SUESS,WI)

**Midnight Radio:** 7415, 4/13, 0330-0344, SIO=232. Mentioned Blue Ridge Summit addr & 1st test bcst. Mostly hrd talk abt 900 phone numbers. No mx, tech. problems; off at 0339 but back on at 0344. (BONNETT,OH) 7415, 4/14, 0322-0351\*. Talked abt tabloid smut. Very faint. Gave phone # of 214-504-6769 to solicit rpts, feedback, etc. Op returned my call - said 15 watts & had a rpt de New Mexico. (SACHS,IL) (COOPER,WI) Missed return call next day. (BREWER,NM)

**Numbers Parody:** 7411, 4/15, 1918-1920\*, SIO=252+. Hilarious #s stn parody, sent here rather than to HM since it is obviously a pirate. #s SS OM 5D, all #s are Mexican Foods. Example: tequila, guacamole, frijole, tortilla, chile; nacho, nacho, guacamole, burrito, tortilla, etc. No ID, addr. All in monotone. PSE QSL. (ZELLER,OH) (PFAFF,VA) (SMOLINSKI,MD)

**One Voice Radio:** 7410, 3/12, 0001-0016\*. Sig good overall, but intentional QRM. Interesting health advice & asked for ideas on spectrum on pirate bcsting. (DUNN,OH)

**Outlaw X:** 7414.3, 4/16, 0155-0235. QSO w/ Ganymede, Rev V of S'ville & ECBD. Addr de April 90 PopComm. PSE QSL. (PROVANCE,OH) (PFAFF,VA)

**PRN - Pirate Radio New England:** 7415, 3/24, \*1934-1947, 2031-2042, 2043-2106\*, SIO=454. QSO w/ WXZR. Took calls after show; Pirate Dave said he was reviving the stn. (PROVANCE,OH) (BOHN,OH) (BONNETT,OH) 7415, 3/24, 2026-2042\*, SIO=444. Carrier at 2026. Funny pirate radio song to tune of "Let It Snow." ID as "Har, this is PRN, Pirate Radio New England - test xmsn." Addr as POB 40554, Washington,

DC 20016, w/ phone # of 202-678-9948. Back after 4 yrs. (ROSS,ONT)

Pirate Radio International: 7400.5, 3/25, 0609-0630, SIO=344. QSO w/ WXZR & R. Mexico. Said was "Goodwill Free Bcsting of NW Kentucky." Was to QSL WXZR via Slanesville. PSE QSL. (PROVANCE,OH)

Radio Clandestine: 7391, 3/30, 0130+. Tentative ID. (BAXTER,KS) 7417, 4/22, 0445-0512, SIO=444. Talk abt stirring up Environmentalists, using lots of hairspray, bashing Hollywood's involvement in environment. Some mx. (SPURLOCK,TN)

Radio Comedy Club International: 7385, 3/30, 0305-0340\*. Via Hope R. Carlin's "Ice Box Man." A member of PRN. (D'ANGELO,PA) Same date/time. Hrd mentions of several pirates incl RNI & Garbanzo. Slanesville addr. Lost by 0329. (BAXTER,KS)

Radio Espiritu (tent): 7415.5, 3/4, 0104-0135, SIO=222. Continuous Gregorian chant from 0104-0135 fade out. QRM de UNID pirate carrier. No talk or ID, so presumed to be Espiritu. (ROSS,ONT)

Radio Free Kampuchea: 7415, 4/16, 0152, 0225, SIO=353. OM in falsetto w/ ID. Did not catch annrc name. Helped Outlaw X w/ Ganymede ID. Sounded like WHBH. PSE QSL. (PROVANCE,OH) (PFAFF,VA)

Radio Ganymede: 7414.8, 4/15, 1717-1814+, SIO=252+. On/off QSO w/ ECPR & others. Stn reactivated - off since '84. PA addr. No pgming. QTH a moon of Jupiter. (ZELLER,OH) 7415, 4/15, \*1819-2000. SIO=444. QSO w/ other stns w/ talk of prev UNID stn playing Beatles. (PFAFF,VA) 7415.1, 4/16, \*0026-0057\*. Mostly rock, but some sitar & Peruvian mx. OM annrc; Bullwinkle & Rocky promo. "Radio Ganymede, V. of the Ganymedian Empire." (PFAFF,VA) (ZELLER,OH) (SUNDERLIN,VA) (DUNN,OH) (MUSSELL,KY) (COOPER,WI) (BAXTER,KS) 7414.8, 4/16, 0146-0239, SIO=353. QSO w/ stns incl R. USA, WPR, Outlaw X, Rev V of S'ville. Nice to hear them again. (PROVANCE,OH)

Radio Mauser Worldwide: 7493.6v, 4/8->4/9, 2147-0010\*. Long test w/ var rock until trumpet repeats at 2233. ID as External Svc w/ OM DJ Dr. Selsen. Says that Lawrenceville addr defunct. New addr of POB 55553, Trenton, NJ 08638. Claims to be bcst de Great Britain, but this is doubtful. Selsen said he's sub for Dr. X. Shifted to 7489.6 at 2345 w/ greetings de RF Burns. (ZELLER,OH) (PROVANCE,OH) (BARNARD,ONT) (KARCHESKI,MA) (SACHS,IL) (D'ANGELO,PA) (SUNDERLIN,VA)

Radio Mexico: 7415, 3/24, 2000-2025. WV addr in SS. (BOHN,OH) (ARTHUR,NY) 7415, 3/24, 2044, SIO=354. QSO w/ WXZR, PRN, etal. (PROVANCE,OH) 7396, 7414, 7416, 7400.4, 3/25, 0505-0700, SIO=354. On/off. QSO w/ R. Sofia (WXZR). RM had 2 OMs. (PROVANCE,OH) (BAXTER,KS)

Radio Outer Limits: 7413.6v, 3/26, 0303-0340, SIO=242. Pop, light rock, but eclectic mix. Mechanical voice IDs. Version of "Sunday Girl" & "My Mama Done Told Me." Final ID "...until next time... tune your radio to Radio Outer Limits." PSE QSL. (PROVANCE,OH) Will trade tape for QSLs. (SPURLOCK,TN) (BAXTER,KS)

Radio Politzania: 7415, 4/16, 0225, SIO=353. OM in falsetto similar to R. Free Kampuchea. Only 1 ID. PSE QSL. (PROVANCE,OH)

Radio Rhode Island: 7415, 3/24, 2100-2106. QSO w/ WXZR, WSWL & Rockabilly R. (ROSS,ONT) (VERALDI,ONT) (PROVANCE,OH) (HANINGTON,ONT)

Radio Sigmund Freud: 7415, 4/15, \*1910, SIO=242. Called up during pirate QSO & wanted to extrapolate the theory that "FCC field operators were chronic bedwetters in their youth." Did not return when other stns tried contact. PSE QSL. (PFAFF,VA)

Radio USA: 7415, 3/19, 0013-0018. Mod strength. "Wait, don't touch that dial." (DUNN,OH) 7394.8, 3/25, 0319-0402. Pgm w/ Miss Scarlet at mic. Mr. Blue Sky running phone, w/ same loop as PRN. No luck. QSO w/ WXZR after show. WXZR op claimed Alaska QTH. (PROVANCE,OH)

(ROGOVICH,VA) 7394.7, 4/1, 0322-0333. Funny sketch. ID by YL as "R. USA, bcsting from a leaky bathtub." Phone # of 202-678-9948. Spot for ACE. Wellsville, NY addr. Ad for Hazardous Chem Dishwashing liquid. Punk rock mx. (SACHS,IL) (BARNARD,ONT) (ROSS,ONT) (PROVANCE,OH) (SACHS,IL) (ZELLER,OH) 7415, 4/14, 0011. QSO w/ WXZR. (DUNN,OH) 15053, 4/14, 2243, SIO=332. Relay by V of Monotony? R USA ID 2243. (HAVRILKO,FL) 7416.6, 4/16, 0145-0150, SIO=353. "Test" xmsn, really QSO w/ others incl R Ganymede. (PROVANCE,OH) 7416.7, 4/21, \*0132-0139\*, SIO=433. Punk rock, ad for "spy \$s gold" collection of great \$s stn hits, promo IDs. Sirens at QRT of short xmsn. Wellsville addr. (ZELLER,OH) 7394.7, 4/21, 0249-0254\*, SIO=454. Punk rock mx. Another short xmsn. (ZELLER,OH) (SPURLOCK,TN) 7394.8, 4/22, 0125-0139+, SIO=454. Mix of old pgm incl Hilo addr w/ newer ads. (ZELLER,OH) (SPURLOCK,TN)

R. USA. V of Monotony. Samurai R. Simulcast: 7414.8//6858.2, 1927-2349\*, SIO=252. Live xmsn w/ simulcast. Rock sketches & talk in studio by Eddie Currents & Mr. Blue Sky. // on 19m not hrd here. Claims to be first pirate simulcast w/ 3 stns. Lengthy pgm. Joke ad for accident lawyer, DX rpts & talk abt ACE. "99 Luftballons" hrd. (ZELLER,OH) (PFAFF,VA) (SMOLINSKI,MD) (BONNETT,OH) Ad for Excedrin headache #FCC???. (SPURLOCK,TN) Uncle Salty, Mr. Blue Sky and Eddie Currents had a fascination w/ poop deck on their ship. Trio promos done by WKND. Not heard on 15043. (PROVANCE,OH)

Revolutionary V. of Slanesville/Plainville: 7396, 3/26, 0232-0256. Much QSB & watery sigs. Some mx & numbers parody (numeric items). Balt. addr. (SPURLOCK,TN) 7415, 4/16, 0002-0200\*, SIO=242. OM annrc w/ reggae mx & test of \$s stn. Baltimore addr given as addr of Slanesville embassy. (PFAFF,VA) (COOPER,WI) 7415, 4/16, 0018-0025\*, SIO=444. Probably same stn as UNID of 3/26 on 7396. "Republic of Slanesville should rule the world." Test of Emergency Bcst System, \$s parody, dissonant instrum mx. Baltimore addr, not Slanesville! (ZELLER,OH) (DUNN,OH) 7415, 4/16, \*0057-0102\*, SIO=343. IS of instrum orch mx. Tape of WWV. Slanesville mailbag but QRT before it started. Combination of QSO & duelling pgming w/ R Ganymede \*0104-0140+. (ZELLER,OH) 7415, 4/16, 0118+, SIO=222. Commandante John was host. Low audio & extreme QRM. (BONNETT,OH) 7415, 4/16, 0147-0259, SIO=343. QSO w/ R Ganymede, Outlaw X & others. Balt addr. (PROVANCE,OH)

Rockabilly Radio: 7415, 3/24, \*1911\*, SIO=252. Testing audio. PSE QSL. (PROVANCE,OH) 7415, 3/24, 2045-2106. Hrd ID & QSO w/ WXZR. Early 60's mx. DJ Rockin' Bob. PSE QSL. (BONNETT,OH) (BOHN,OH) (SACHS,IL) (PROVANCE,OH) (VERALDI,ONT) (ROSS,ONT) (BURBULES,MD) (HANINGTON,ONT) 7413, 3/25, 0255-0304. Rocking Rhino DJ. (BURBULES,MD) (PROVANCE,OH) 7412, 4/8, 0024-0033\*, SIO=444. Stn name describes stn perfectly. Rockabilly oldies rock, primarily sung by Eddie Cochran. OM annrc w/ s/off of "You've been listening to Eddie Cochran on Rockabilly R. Good night." Fine mod, esp for USB sig. No addr. Rcvd flyer in the mail indicating they would QSL rpts in the A\*C\*E, so PSE QSL. (ZELLER,OH) (PROVANCE,OH) 7415, 4/14, \*2350-2351. QSO w/ WXZR. Talked abt exchanging QSL cards, but I didn't catch addr. PSE QSL. (PFAFF,VA) [Please do NOT send me your stamps/tapes, etc.. of this station, as I cannot forward mail for them.- ed]

SIAM: 7401, 3/25, 0315-0318\*, SIO=454. Selections of "industrial mx," sort of like Max Headroom mx. YL ID at 0317 "You are listening to the first radio bcst of SIAM, the Society of Industrial Arts and Mx." Promised addr at end of pgm, but QRT prematurely. Nice sig, excellent production values. PSE QSL. (ZELLER,OH) (SPURLOCK,TN)

Tube Radio: 7355, 4/22, 0300. Mx de Zappa's "Lumpy Gravy" & one from the "Fugs" album. (MUSSELL,KY) 7395, 4/27, 0114-0128\*, SIO=433. Oddness & eclecticity for certain. Tuned in to ad for Bear Whiz Beer (it's in the water!), then Firesign Theatre bit. Baltimore addr. (ARTHUR,NY)

Voice of Communism: 7370, 4/15, 0415-0418, SIO=555. Skit abt Mr. Harrison who had to change name to be more Russian sounding. Off w/ "Star Wars" theme. (SPURLOCK,TN) Game show parody. (MUSSELL,KY)

Voice of the Kentucky Fried Rodent: 7487, 4/1, 0002-0027\*. Clever pgm! Good 60's type mx sprinkled w/ eerie home brew sound effects. Host Col. Sanders bcsting from "a rat-infested chicken coop." Mx incl "People are Strange" by Doors & EZL mx. Mentioned ACE & Pirate Pages; Wellsville addr for QSL. Clear modulation. Nice April Fool's treat. Anncd as 1st bcst. (ARTHUR,NY) (SACHS,IL) (PROVANCE,OH) (BARNARD,ONT)

Voice of Monotony: 7415, 3/18, 0006-0026\*. S5-S6 sig, & mild interference. (DUNN,OH) Tentative. "Space Cowboy" & talk of chewing tobacco by Wolf Bros. WV Box. (ARTHUR,NY) 7414.8, 4/2, \*0108-0150\*. Rock incl ELP, Van Halen, etc. One sketch w/ other stn slogans incl seal 18 from V of Laryngitis; V of Monotony ID by Genghis Huxley imitation & R USA Leaky Bathtub slogan. Annrc talk sounds gurgly, like a scuba diver. Freq very stable. Bother some static. Addr of Slanesville or Blue Ridge Summit. Slightly undermod at first, then cranked it up around 0118 & slightly overmod thereafter. Heavy rock mx. (BARNARD,ONT) (ZELLER,OH) Best pgm yet! (PROVANCE,OH) 7415a, 4/8, 2229-2235, SIO=343. Began pgm w/ Foggy Mental Breakdown, primal screams, ID & off abruptly. (PROVANCE,OH) 15053, 4/14, 2104-2226, SIO=232. Muddy audio w/ various mx. Said was their Easter bcst. Mention of eucalyptus leaves from R. Australia. 40% readable. (HAVRILKO,FL)

Voice of the New Forest: 7410, 4/12, 2325-2350\*, SIO=322. Test xmsn w/ mostly British Pop mx. No QSL info hrd. PSE QSL. (SACHS,IL)

WAXX Relay: 7414v, 4/22, 0139-0301\*, SIO=454. Relay of WAXX-FM, 104.5 in Eau Claire, WI. "Saturday Night WAXX Party" of country mx. Legit stn's DJ said they had another call abt the relay. Last 4 min of xmsn was orchestra, not WAXX. No relay ID. (ZELLER,OH) (SUESS,WI) (MUSSELL,KY) (COOPER,WI) (RILEY,MI) (BAXTER,KS)

WBNY: 7415, 3/24, 1952-2007 & 2054-2055, SIO=454. YL representing People's Committee in Solidarity w/ Rodent Freedom Fighters. Speech calling for rodents to unite, throw off oppressors. High-pitched bunny voice. Addr of POB 40554, Washington, DC 20016. Annrc was Commander Bunny. (PFAFF,VA) (ROSS,ONT) (VERALDI,ONT) (BONNETT,OH) (BOHN,OH) (PROVANCE,OH) (HANINGTON,ONT) (SPURLOCK,TN)

WBRI: 7546v, 4/22, 0330-0415\*, SIO=222. "Northern hemisphere service." Some IDs had IS of R. Australia in background. Mix of rap, blues, African pop, reggae. No addr. (SUESS,WI) 7543.9v, 4/22, 0607-0650\*, SIO=333. Same annmnts & type of mx as earlier. DJ said there is no safe way to contact him. (SUESS,WI)

WENJ: 7416.7, 4/8, 0009-0039\*, SIO=333-343. Usual format of oldies rock, slickly produced promo IDs & DJ Jack Beane. Gave usual QSL phone #s. Some splatter de Rockabilly R. until 0033. (ZELLER,OH) PSE QSL. (PROVANCE,OH) (DUNN,OH) (SPURLOCK,TN) (ARTHUR,NY)

WEZW-FM 103.7 Relay: 7419, 3/24, 2321-0138\*, SIO=333. Light pop/rock mx. IDs as "The New Easy 104." Call letters hrd on the hour. Local Milwaukee ads. (ROSS,ONT) (PROVANCE,OH)

WGAR: 7415 LSB, 3/10, 1642-1712\*, SIO=333. OM DJ w/ talk abt Krishna & history of religion. ID @ 1712 as "This now concludes 2 hrs of xmsn on 7415 LSB. We will be back again next week w/ a similar pgm." QTH given, w/ annmt of "signing clear." (ROSS,ONT) 7415.1, 4/1, 0101-0107\*. All talk by OM in LSB. Says he doesn't have much to say but will be on again. Raining at QTH. 100 watts. Requested CB QSO on ch. 39. No addr. PSE QSL. Licensed WGAR is 50 kw on 1220 kHz in Cleveland. Gave Chicago wx. Rpt to PopComm. (DUNN,OH) (ZELLER,OH) (BAXTER,KS)

WKZZ: 7415, 4/14, 0025. Hrd in QSO. (DUNN,OH)

WMAX/WMEX: 7415, 3/16, 0256-0308\*, SIO=222. Beach Boys @ 0256-0259. OM talk, ID as "I'm ??? and this is WMAX. Oldies mx. Tobacco ad @ 0302. WMAX ID again. "La la la" & off air @ 0308. PSE QSL. (ROSS,

ONT) 7400, 4/7, 0237-0255, SIO=555. Exc audio, production & pgming. Old radio ads for Pepsi & cigarettes. Fake ad for "buttercup and Chucks upchuck cafe." QSL to favorite pub. PSE QSL. (BREWER,NM) Hrd "Brandy" by Looking Glass. PSE QSL. (BIGGS,TX) (CARTER,CO)

WPEF: 7415 LSB, 3/11, 2037, SIO=444. OM said "WPEF" twice, then off air. PSE QSL. (ROSS,ONT)

WPRA: 7415.2, 4/16, \*0142\*. Apparently new stn hrd briefly in QSO w/ Ganymede & others. Call stands for "Pirate Radio America." No addr or pgming. PSE QSL. (ZELLER,OH) (PFAFF,VA) Possible same as E Coast Beer Drinker, but not sure. (PROVANCE,OH)

WRFI: 7415, 4/15, 1916-1940, SIO=343. Called up during pirate QSO and said that the call letters stood for "Real Funky Intellectuals". Said it had no mail drop and no QSLs. PSE QSL. (PFAFF,VA)

WRNR: 7415, 3/25, 0305-0309, SIO=252. Calling Rockabilly R. Rockin' Bob never returned. Said "Rock-n-Roll in same manner as WRNR. PSE QSL & confirm ID. (PROVANCE,OH)

WSWL: 7415, 3/24, 2049-2100. QSO w/ WXZR, PRN, Rockabilly R. Same WSWL as V of Purple Pumpkin? PSE QSL. (PROVANCE,OH) (HANINGTON,ONT)

WTNU: 7400.3, 3/25, 0644-0717, SIO=353. QSO w/ WXZR & R Mexico. Talk abt past QSOs, their start & plans. Interesting. (PROVANCE,OH)

WXZR: 7415, 3/24, 2000-2100, SIO=444. Test bcst. Audio improved during show. Op talked w/ PRN. (BOHN,OH) 7415, 3/24, 2043-2100, SIO=444. OM DJ said hello to PRN after s/off. Tx to WBNY, R. Rhode Island & Rockabilly R. Gave addr as Box 109, Blue Ridge Summit, PA 17294. Also gave Slanesville addr. Good sig w/ rpts from several QTHs. Outer Limits theme. "Excellent Zero Radio." (VERALDI,ONT) (ROSS,ONT) (HANINGTON,ONT) (PROVANCE,OH) 7415, 3/24, 2051+. QSO w/ var stns. (BONNETT,OH) 7403, 3/25, 0101-0114\*, SIO=444. Test; playing Renaldo & the Loaf. Telco message. EBS test. Host was Stanya. Blue Ridge Summit addr. Wierd noises. (BARNARD,ONT) (PROVANCE,OH) 7396, 3/25, \*0336-0402\*, SIO=454. QSO w/ R. USA. (PROVANCE,OH) 7416, 3/25, 0549-0626, SIO=353. QSO between WXZR & R. Mexico. Down to 7400 @ 0552. Joined by Pirate R. Int'l & WTNU. Talk abt recent busts. (D'ANGELO,PA) (PROVANCE,OH) 7413, 3/26, 2300-2330, SIO=333. New PA mail drop. Mx & stn IDs. (SUNDERLIN,VA) 7400, 4/1, 0312-0323\*, SIO=444. Meontological Research Radio. [This had been incorrectly typed as "Meterological Research Radio" in a previous column.] Bizarre pgm w/ OM annrc. Wierd a capella singing w/ rock mx in background. The most lucid was "My Bommerang Won't Come Back" over Grateful Dead mx. Outer Limits TV audio at QRT. PA addr. (ZELLER,OH) (SACHS,IL) (PROVANCE,OH) (BARNARD,ONT) (BAXTER,KS) 7490, 4/9, \*0010-0013\*, SIO=343. Lengthy OM/YL promo ID over wierd mx w/ WV addr. On after Mauser QRT & off after the long ID. No other pgming. (ZELLER,OH) (PROVANCE,OH) 7415, 4/14, \*2350-0035. WXZR in QSO w/ Rockabilly R. Said something abt t-shirts & that they were out of QSL cards. 50-100 watts. (PFAFF,VA) (DUNN,OH) 7415, 4/15, \*1829-1931. QSO w/ ECPR, ECBD, Ganymede, R Sigmund Freud, WFRI, KBFA. (PFAFF,VA) 7415, 4/20, 0145-0150, SIO=222. QSO w/ ECBD. (PROVANCE,OH) 7415, 4/21, 0045-0130\*, SIO=444. Repeat of 2/11 pgm w/ WV addr replaced w/ Blue Summit Ridge addr. Bagpipe & wierd instrum mx; the dead rise up to eat the living. Fine sig. Usual "Outer Limits" at end not hrd due to early QRT. (ZELLER,OH)

Zeppelin R. Worldwide: 7413.7, 4/15, \*1757\*, SIO=252+. Regular promo ID for stn, flying above USA. A relay by ECPR? (ZELLER,OH)

#### UNIDS

7396, 3/26, 0233-0256\*, SIO=242. ID sounded like R. Mylan-Stick (phonetically). Rock mx, sketches, & OM annrc. Best ID, poorly copied was R. Mylan-Stick or similar after trumpet fanfare at 0242. The "revolutionary voice" of something. Poor copy w/ modest sig & bad flutter fade. Did hear several definite mentions of addr: POB 6527,



Baltimore, MD 21219. Need help w/ ID. (ZELLER,OH)  
**7410.2**, 4/13, 2259+, SIO=151. Possibly One Voice R. Old 40's mx featuring female vocalist. PSE QSL. (PROVANCE,OH)  
**7412**, 3/31, 2052-2055, SIO=353. 50's & 60's rock. Hrd "Wipe Out," "Good Golly, Miss Molly," etc. PSE QSL. (PROVANCE,OH)  
**7414**, 4/6, 2314-2315. OM testing, just talk. PSE QSL. (PROVANCE,OH)  
**7414**, 3/17, 1720-1724\*, SIO=444. Instrum mx like Herb Alpert. No talk. (ARTHUR,NY)  
**7414.4v**, 4/4, \*0110-0223 & 0255+, SIO=333. Carrier @ 0110. Mx by the Who, Pirate song, Jimi Hendrix, Punk rock mx. Xmtr intermittent. QRM de stn trying to jam them. Gone by 0223, but back by 0255. Mx dedicated to Cindy. PSE QSL. (ROSS,ONT)  
**7414.7**, 3/5, 0036-0042\*, SIO=333. Hank Williams mx, Lovesick Blues, Long Gone Lonesome Blues. OM host w/ history of country mx. Grand Ole Opry etc. Off @ 0042. No ID or talk hrd. (ROSS,ONT)  
**7415**, 3/13, 0130-0205, SIO=222. Pink Floyd "Dark Side of the Moon." OM talk EE but very weak during talk portions. Mx by Jefferson Airplane & blues mx. No ID hrd. (ROSS,ONT)  
**7415**, 3/24, 1944-1948, SIO=222. Mx by OM. "Hello Dolly" @ 1944-1948, then had QRN until 1951. Gone by time QRN had cleared. PSE QSL. (ROSS,ONT)  
**7415**, 4/15, \*1829-1832, SIO=444. Played Beatles' "Strawberry Fields Forever." PSE QSL. (PFAFF,VA)  
**7415v**, 4/16, 0249-0259, SIO=353. Rock mix; addr of POB 5624, Arlington, VA 22205. QSO w/ Rev. V of Slanesville mentioned they were unidentified. Hrd "FU" sent in CW on 7415.9 immed after s/off. (PROVANCE,OH)  
**7415.3**, 3/4, 0229-0250\*, SIO=333. Partial ID to WY???. Slanesville WV addr. Talk abt Beatles "White" album. Mentions of Saudi Arabia, R. Pakistan & R. Bangladesh. Played var IS & stn IDs for All India Radio, FEBA & others. (ROSS,ONT)  
**7417**, 3/24, 2300-0115. Top 40 mx from the 70s incl Barry Manilow, Carpenters. Hrd FM104 Milwaukee so presumed an FM relay. Boring; no pirate ID. (SACHS,IL)

#### ELSEWHERE IN THE WORLD

**Radio Stella**: 6319.6, 3/25, 0555-0618, SIO=132. Tip from WXZR QSO. Hrd OM anncr & soft rock. Barely audible. (PROVANCE,OH)

#### PSE QSL ADDRESSES

John Barnard, K-42 268 Philip Street, Waterloo, ONT N2L 6G9 Canada  
 Russell Biggs, 1200 E. Calton, Apt. 38, Laredo, TX 78041.  
 Bob Bohn, 10437 Rawiga Rd, Seville, OH 44273.  
 Fraser Bonnett, 3033-H Brickwall Dr., Kettering, OH 45420-3857.  
 John Brewer, 7605 Roberts NE, Albuquerque, NM 87109.  
 Phil Burbules, 1501 Crawford Drive, Rockville, MD 20851.  
 Donald Carter, POB 36276, Denver, CO 80236.  
 Richard D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610.  
 Ray Pfaff, 4333 Cub Run Rd., Chantilly, VA 22021.  
 Daniel Hanington, General Delivery, Shallow Lake, ONT N0H 2K0 Canada  
 W. Karcheski, Jr., 23 Gail Drive, Holden, MA 01520-1710.  
 Terry Provance, 2530 Oakwood Ave, Zanesville, OH 43701-1948.  
 Robert Ross, Box 1003, Stn. B, London, Ontario, N6A 5K1 Canada.  
 Steven Sachs, 2720 Ft Sheridan Ave, Highland Park, IL 60035.  
 Chris Smolinski, 40 South Lake Way, Reisterstown, MD 21136.  
 Paul Spurlock, 4612 Morrow Rd, Woodlawn, TN 37191.

#### WANT ADS

Free Market Broadcasting, a 60 minute, VHS format videotape containing 2 1/2 hour pgms on the California FM pirate radio scene. Available to ACE members for \$ 20.00 postpaid from Loose Cannon Press, Box 1087, Sun Valley, CA 91352.

## Marshals bust Long Island's WQNR-FM

On March 6, U.S. marshals served a warrant for the arrest of radio station equipment belonging to Kris Holtegaard of Selden, New York. Holtegaard is suspected by the FCC of operating WQNR-FM, a pirate broadcasting station in that Long Island community.

The warrant empowered the marshals to seize the equipment from a house at 33 Roslyn Ave. FCC public affairs specialist Kevin McKeon was uncertain how many government employees participated in the bust: "Two or three U.S. marshals and two or three FCC engineers," he said. "Between four and six, altogether."

WQNR used 87.9 MHz to broadcast as "Long Island's Rock and Roll Capital." The station was active for at least a month or two before the FCC shut it down, McKeon said.

#### Friday night schedule

The station, which was not on the air the morning when the marshals and engineers arrived, usually broadcast from 6 p.m. to 6 a.m. from Friday night to Saturday morning.

McKeon had no estimate of the power used by WQNR for its broadcasts. He said only that measured RF field strength of the signal emanating from the station "was found to be greatly in excess of the limit authorized by Part 15." Part 15 is a section of FCC rules that regulates unlicensed transmitters.

#### Twenty items seized

Among the 20-odd items seized at the house are tape recorders; an equalizer; a cassette deck; a control board; microphones; an audio processor; format sheets; and sign-on and sign-off logs. The seizure of the equipment "took an hour or two," according to McKeon.

## FCC closes Miami clandestine broadcaster

On Feb. 9, FCC electronics engineers traced the source of anti-Castro broadcasts to Eloy Escagedo's home in Miami. Escagedo's station, Radio Antorcha Martiana, broadcast to Cuba on 7350 kHz.

The station included a Yaesu FT101EX amateur transceiver operated in the AM mode, a Heathkit linear amplifier and a Dentron antenna tuner. The antenna was a length of wire.

In addition to the radio equipment, Escagedo had some tape recorders, according to John L. Thiemer, the engineer-in-charge at the FCC's Miami office. The station program included some musical selections.

#### One month's activity

Thiemer said he did not know how long the station had been in operation, but he estimated it might have been active for a month. "We only heard him twice. Those two times he was on the air at the same time each day."

Thiemer said the FCC monitoring network called his attention to the station. According to information from the monitoring network, the station was on for an hour or two. But engineers from the Miami office only listened for about 20 minutes, the time it took to trace the signal.

The engineer-in-charge said Escagedo, who he said made no comments during the station inspection and who surrendered no equipment, was fined \$1,000. Thiemer said Escagedo previously had operated an unlicensed station in 1982 and that the FCC had closed that operation as well.



Richard M. "Dick" Smith heads the FCC Field Operations Bureau, which enforces rules and regulations against broadcasting without a license. "I suspect that publicity, combined with the fact that pirate broadcasting seems to run in cycles, accounts for the increase in its popularity," he said.

## FCC's Dick Smith airs views on pirate broadcasting

By Don Bishop  
P.O. Box 4075  
Overland Park, KS 66204-0075

Richard M. "Dick" Smith manages the FCC's Field Operations Bureau as its chief. Pirate broadcasters occasionally--some would say inevitably--get to meet one or more of the bureau's 120 engineers who conduct actual field work. They visit radio transmitter sites to enforce regulations, including rules against pirate-style unlicensed broadcasting.

### Show the badge

Smith used to work in the field. "When I was chasing pirates, it seemed to me the majority were high school or college students having fun. They were interested in technical subjects and they had ambitions for careers in radio, electronics and related fields. They were fairly harmless operators and who usually went off the air permanently after an initial FCC visit. It was a matter of knocking on the door; showing the FCC badge; saying 'You can't do this, knock it off'; speaking with their parents; and sending a followup letter. That usually did it."

The bureau chief said today's pirates are more determined and a little more accomplished than kids having fun in the basement at home. "For example, the case in New York, Radio Newyork International (RNI), involved individuals, one of whom had been the licensee of an AM and FM broadcast station." Smith was referring to Alan Weiner, who held licenses for WOZW-AM, Presque Isle, and WOZI-FM Monticello, communities in Maine.

### Renewed initiative

He said there is a renewed initiative for the unlicensed broadcasting of music, talk shows and disc jockeys to the general public. Frequencies used include those in the AM band; just above the AM band; near and in some amateur bands; in the FM band; and on shortwave in the 7 MHz band.

"For whatever reason it seems we have quite a few operating now. Recently we've been taking some action in that area," he said, referring to a number of FCC enforcement actions taken against pirates since September 1989.

### Publicity

Smith said the popularity of pirate broadcasting is due in part to the romantic and adventurous aspect of it. "We saw that in the RNI case. Publicity in that case gave an adventurous spirit to unlicensed broadcasting operations in the way RNI was covered. Viewed by some individuals who can be influenced, RNI was adventuresome and romantic, operating from a rusty ship off Long Island."

Subsequent publicity fanned the sparks of interest generated in others by RNI's broadcasts. "The people who operated RNI were on the MTV cable show," Smith explained. "I suspect that publicity, combined with the fact that pirate broadcasting seems to run in cycles, accounts for the increase in its popularity. When that happens,

enforcement activity is stepped up to counter increased pirate broadcast operation."

Smith said the FCC has available a range of sanctions to be used against rule violators. "We like to apply lightest sanction that will get the job done, then keep escalating the sanctions if violations recur."

#### Sanctions

The FCC can exact these sanctions, in order from lightest to heaviest:

- *Administrative fines*--"Generally, we fine most pirate operators \$1,000," Smith said. "But if their station interferes with public safety frequencies, the fine is higher because that is a more serious situation." The highest administrative fine is \$10,000.

- *Equipment seizure*--Working with a U.S. attorney, the FCC can obtain a federal arrest warrant for a pirate's equipment as "property used in the commission of a crime." A U.S. marshal serves the warrant on the equipment owner in the company of an FCC engineer. Equipment they carry away is disposed of in a civil court proceeding where the owner has an opportunity to contest the action. Often, the equipment is ordered to be forfeited to the government.

- *License suspension*--If the pirate operator holds any FCC station licenses, such as broadcast, commercial two-way radio or amateur, the FCC may revoke them. If the pirate holds any FCC operator licenses, such as commercial radiotelephone and radio telegraph, and amateur, the FCC may suspend them.

"Revocation is a fairly serious sanction," Smith said, "so we use a fine first, and then try some other sanction." Revoking station licenses for commercial activities, such as broadcasting and two-way radio, can affect a person's livelihood and the value of his assets. "Suspending a commercial operator license held by someone whose employer requires the license as a condition of employment might put the person out of work," Smith said. "I don't know about you, but I could not afford that kind of sanction."

- *Injunction*--The FCC can ask a federal judge to impose upon an individual an injunction against pirate broadcasting. Breaking an injunction can bring fines and imprisonment for contempt of court.

"First we get a temporary restraining order or a preliminary injunction," Smith said, "then we go to a court to seek a permanent injunction."

- *Criminal prosecution*--The FCC can present its case to a U.S. attorney for prosecution in criminal court. The maximum fine is \$100,000 and the maximum jail term is one year for a first offense. For a second offense, the maximum penalty is two years in jail or a \$250,000 fine or both.

#### Pirates are fined, at the least

No pirates the FCC has caught in the past year have avoided at least an administrative fine. Fines are not issued on the spot. Some pirates have voluntarily surrendered transmitting equipment to demonstrate compliance and in hopes of mitigating the eventual fine. Other pirates claim they have been bluffed into surrendering much more equipment.

Three pirates, including the operators of unlicensed FM stations in New York that used the call letters WHOT, WJPL and WQNR, have been subjected to equipment seizure.

One pirate, Alan Weiner, came close to having a broadcast station license revoked.

#### FCC vs. Wiener

In 1984, engineers from the Belfast, ME, FCC field office traced pirate station "KPRC" signals to the WOZW-AM studio in Presque Isle, Maine. At about the same time, the FCC found remote broadcast pickup station KPF 941, licensed to Weiner's Maine facility, was being used to broadcast on 1622 kHz to the public in Yonkers, New York. The FCC Mass

Media Bureau set Weiner's broadcast station licenses for a hearing involving the unlicensed "KPRC" and the auxiliary station operation. The commission allowed a distress sale of the stations in lieu of the hearing, rendering the revocation proceeding moot.

#### Injunction seems to halt RNI group

In the RNI case, the FCC escalated to one of the highest levels of sanctions--the use of an injunction. Since a federal court issued the injunction, no member of the RNI group has been caught engaging in pirate broadcasting.

Thus, the FCC has used most of its sanctions against pirates--fines, equipment seizure, license revocation proceedings and injunctions.

But no one has been sentenced to prison for pirate broadcasting, and no one is likely to be. First, lesser sanctions always have brought compliance: no money, no equipment, no job--no pirate. Second, judges are reluctant to send anyone to jail when other sanctions can bring compliance.

#### Watching the spectrum

"We're always trying to keep our eye on trends," bureau chief Smith said. "We have much spectrum to watch. Our job can be compared to looking at a spectrum analyzer. If we see a blip of illegal activity of one type, we work on it to push it down. By then, another blip comes up and we work on that. As far as pirate broadcasting is concerned, we are in that mode of responding to where the problem seemingly is increasing and needs attention."

Smith continued: "There is a reason for the FCC's regulatory scheme. We have to preserve this valuable natural resource called the electromagnetic spectrum. We tried to reduce rules that were burdensome. With that done, compliance is an important part of regulation. I hope everyone sees the value of regulations and of complying with them for the good of the spectrum. I hope all the readers can use the spectrum to the best advantage possible."

Smith said budget limitations continue to be restrict all government activities, including his bureau's. The bureau's staffing has decreased from 508 in 1980 to 382 in 1990. Each year the bureau receives less money for technical equipment than the year before.

Nevertheless, all it takes is one engineer in the right place at the right time to close a pirate station.

## 'Radio fingerprints' trap jammers

"Radio fingerprinting" techniques deployed by the FCC Field Operations Bureau identified the sources of signals that jammed aircraft communications frequencies at Philadelphia International Airport in July 1989. Michael J. Marcus, assistant chief for technology at the bureau, developed the techniques, tested them under field conditions, procured equipment for their use and trained FCC staff in their use.

The techniques also were deployed against a Baltimore radio amateur. The techniques were used to match characteristics of the amateur's two-meter signals. Some signals he used for legal communications and he used his call sign. Other, unidentified signals he transmitted to cause interference. The "radio fingerprints" made it unnecessary for the FCC to use radio direction-finding techniques to determine the source of the interference.

The technique is not useful in most actions against pirate broadcasters who never use their equipment with authorized call signs. Details about the techniques may have to be revealed in a future court case, but the FCC is keeping them secret as long as possible.

### CLANDESTINE PROFILE by George Zeller

Your loggings and information on clandestine radio stations are always welcome for this column. You can mail them to your editor at 3492 West 123rd Street, Cleveland, Ohio 44111. Or, you can call (216) 941-3366 anytime, or else (216) 696-9077 between 1200-2045 UTC. Your editor managed to catch a serious touch of the flu right at column deadline time this month, but we have managed to crank out a somewhat abbreviated column anyway.

### CUBAN AMERICAN NATIONAL FOUNDATION AND TV MARTI

Last month we analyzed a great deal of breaking information on the role of the Cuban American National Foundation in the management and control of the new TV Marti service. The CANF, which produces anti-Castro clandestine radio programming over its shortwave service "La Voz de la Fundacion," allegedly was plotting to take over the operation of the forthcoming TV Marti at the United States Information Agency. Since last month's column was written, TV Marti unexpectedly went on the air, at a date that was somewhat earlier than had been anticipated. It is currently transmitting over VHF channel 13, using an antenna based on a high altitude blimp! Coverage of this TV Marti sign-on was extensive in the national media. President Bush made a widely covered speech in support of TV Marti. Fidel Castro responded instantly with effective jamming on channel 13, which certainly has precluded decent reception of the new station in the Havana metro area.

The role of the CANF in all of this was confirmed in a remarkable and lengthy segment that aired as part of the April 10 edition of PBS' "MacNeil Lehrer News Hour." This news program featured a debate on the effects of TV Marti between Jackie Tillman, Executive Director of the Cuban American National Foundation, and Dr. John Nichols, Professor of Communications at Penn State University, and author of books and articles on clandestine radio broadcasting. Nichols had just returned from a meeting with Fidel Castro in Cuba, and he predicted massive Cuban disruption of USA medium wave broadcasting frequencies by Cuba in retaliation for the TV Marti broadcasts. Tillman expressed optimism that Castro would not do this. Nichols also maintained that the TV Marti operation violated international ITU regulations covering international television broadcasting, while Tillman disputed this. The presence of Tillman in the debate was a pretty clear indication that the CANF has moved into a major role in TV Marti, and perhaps into a role of management control of this television service.

In any event, it would be a very good idea to keep your eyes on MW frequencies such as 830, 1040, etc. for signs of Cuba's superpower transmitters in the near future. Florida A\*C\*E members should keep their eyes open for the TV Marti signal on channel 13. It is not inconceivable that Castro would begin new anti-USA radio services on MW, or even attempt to interfere with Miami-area television stations. Events are certainly on the move in this area, and the Fundacion clandestine programming has now been somewhat eclipsed by the prominent news of the TV Marti situation. It doesn't look like this story is anywhere near its end.

In a related matter, A\*C\*E's hot clandestine QSL chaser Bob Ross of Ontario writes in to report that he received a QSL for La Voz de la Fundacion's old relay on 9950 KHz over the transmitter of Radio Clarin in the Dominican Republic. The full data QSL sheet arrived in 1½ months, along with a station bumper sticker. Bob's verification signer was Amoska Perez, Box 440069, Miami, Florida 33144. The Clarin relay seems silent at present, but it is still worth checking 9950 and 9850 KHz from time to time in the evenings to check for a possible reactivation here.

### NEW FREQUENCY FOR LA VOZ DEL CID

La Voz del Cuba Independiente Democratica has shifted their 41 meter frequency to 7340.1 KHz, just above the Canadian CHU time signal on 7335 KHz, and just below the newly silent slot on 7345 KHz that formerly was occupied for decades by Radio Prague. I heard CID here as early as April 14 in the 0100 UTC range, and nightly thereafter. This program is parallel to CID's longstanding 9941.7 KHz frequency above the 31 meter band. Vince Havrilko of Florida also heard the 9941.7 KHz channel on April 1 at 0000 UTC, supplementing its Cuban discussions with talk about economics in Panama and Nicaragua. In the very late evening, this 31 meter outlet still moves down to 6305 KHz. I have noticed that they still tend to use their traditional program name of Radio Camillo Cienfuegos.

### VOICE OF JUNE FOURTH

Clandestine expert Gerry Dexter of Wisconsin has a nice discussion of the new clandestine voice of the Independent Federation of Chinese Students in the USA in the May issue of Popular Communications magazine. This station allegedly broadcasts on MW and SW from off the coast of China, with some rebroadcasts on a handful of USA MW and FM stations. It is not clear if these USA relays are translations, but the regular broadcasts are in Chinese. Their shortwave schedule is becoming clearer. Gerry reported a tentative logging of them from his Wisconsin QTH on April 6 (in issue #1058 of the Numero Uno newsletter) from 1140-1159 UTC on 7150 // 11905 KHz. Gerry noted Chinese language talk, primarily by a male announcer, along with some music. Then, Gerry just called your editor to report that a QSL for this broadcast arrived in his mailbox on April 21, confirming this tentative reception. The address to use on this one is the Independent Federation of Chinese Students in the USA, Post Office Box 15-7939, Chicago, Illinois 60615. Good work, Gerry!

### RADIO LIBERTAS QSL

A\*C\*E member Rich D'Angelo of Pennsylvania sends in a copy of the QSL he received from Radio Libertas. For a report on their 11790 // 21840 KHz broadcast, Rich got back a full data logo QSL card from this station, along with his own signed prepared QSL card. A nice personal letter also came in the envelope in 28 days. Vivian Gamulin, Assistant Producer, was the verie signer. Vivian's letter to Rich discussed the purpose of this station, which is to serve as the radio voice of "Croatian patriots." She says that Executive Producer Dr. Josip Gamulin finances the operation, "with some assistance from those who believe in our work." They hope to see an independent "Croatian State" that would be outside the political control of Yugoslavia. This station's usual address, which worked in this case for Rich, is 1174 Clarkson Road North, Mississauga, Ontario L5J 2W2, Canada.

### BOB ROSS ETHIOPIAN CLANDESTINE LOG

Bob Ross checks in with a good (although tentative) logging of the Voice of the Broad Masses of Eritrea. His tentative reception came on 7487.65 KHz on March 15 between 0405-0422 UTC. Bob had a fair to poor signal prior to the 0422 fade-out for this show, which was in a presumed Tigrinya language. Local music with singing was mixed with march style music. A male announcer was heard in the local language. Bob thinks that he also may have heard a possible jammer in the form of a dead carrier that plopped on top of the clandestine at 0410 UTC. (This might have been jamming, but it also could have just been the carrier for one of the RTTY utility stations that regularly inhabit this band- editor). Bob's logging is quite interesting, and it is worth checking out by the rest of us.

### NICARAGUAN CONTRA CLANDESTINES

As noted in this column last month, the days of the Contra clandestine stations may be numbered. A peace agreement has been signed in Nicaragua that calls for the imminent demobilization of the Contras. But, the Contras' clandestine shortwave stations seem to be broadcasting right down to the bitter end. On March 31, Vince Havrilko heard both Radio Miskut on 5560 KHz with an ID at 2330 UTC, and Radio Quince de Septiembre with a full ID on 6214.4 KHz at 2333 UTC. Both stations had their usual Nicaraguan programming with some local music. Propagation to the midwest from these stations at times before 0000 UTC annually gets worse during the spring and summer, but southern USA A\*C\*E members could perform some valuable monitoring work for the rest of us by watching these two frequencies in the very near future. The political transition currently taking place in Nicaragua will probably lead to a reshuffling of clandestine stations in the region.

### RADIO CAIMAN

The various recent news from other Cuban clandestine stations does not seem to have had any impact on Radio Caiman, the longstanding mysterious anti-Castro station on 9965 KHz. Vince Havrilko and your editor still hear them blasting away nightly with their powerhouse signal in the evenings, with slickly produced Cuban clandestine programming. Might the Marti-CANF situation finally lead to some definitive information about Caiman, such as an address or some information of any kind about their sponsoring group? So far this has not been the case, but we shall see.

### THANKS!

Despite your editor's flu, the Clandestine Profile column managed to appear this month, although on a slightly abbreviated basis. We thank our many contributors: Bob Ross (Ontario), Rich D'Angelo (Pennsylvania), Vince Havrilko (Florida), Gerry Dexter (Wisconsin), and George Zeller (Ohio). Next month we hope to hear from YOU by May 19 for the June Clandestine Profile. I have some items piled up that we need to analyze, and we'll print them then.



# ACE LOGGING FORM

Name \_\_\_\_\_ receiver \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Remember: All dates and times should be reported in GMT time. \*0000 means that the xmission began at 0000. 0000\* means the xmission ended at 0000. Additional comments may be added on the back of each logging. Please cut the logs into strips so they may be sorted.  
\*\*\*\*\*  
Station \_\_\_\_\_ Frequency \_\_\_\_\_  
Mode (circle one) AM USB LSB FM other \_\_\_\_\_ date \_\_\_\_\_  
time (gmt) \_\_\_\_\_ SIO \_\_\_\_\_  
Details: \_\_\_\_\_  
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Name, State \_\_\_\_\_ Frequency \_\_\_\_\_  
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Name, State \_\_\_\_\_ Frequency \_\_\_\_\_  
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Station \_\_\_\_\_  
Mode (circle one) AM USB LSB FM other \_\_\_\_\_ date \_\_\_\_\_  
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Name, State \_\_\_\_\_  
\*\*\*\*\* PLEASE CUT LOGGINGS INTO STRIPS \*\*\*\*\*

# Questions and answers

*FCC engineers who visited Zodiac Radio told the operator: "It will go easier on you if you cooperate." He did; they confiscated his transmitter and fined him \$1,000. In what way did it "go easier" on him to cooperate?*

It is doubtful that an FCC engineer told the operator of Zodiac Radio, James J. Keul III, "It will go easier on you if you cooperate." The engineer more likely said: "In some cases people give us their transmitters. We would accept your transmitter only if you freely give it to us. In some cases the surrender of a transmitter is taken into consideration in the assessment of a penalty."

*Confiscate* means to seize by authority. FCC engineers do not have authority to seize equipment without a warrant. They are authorized under some circumstances to accept the surrender of equipment. They are not authorized to initiate the suggestion or to demand the surrender. Normally, they do not raise the subject, but instead wait for the pirate operator to ask, "What can I do to get lenient treatment?"

Many pirates have confirmed that they asked FCC engineers such a question. They said they then were told the surrender of equipment *may* make a difference in the penalty assessed, though the engineers are not empowered to make that a *commitment*.

## **\$1,000 fine for 'routine' pirate broadcasts**

Whether an operator cooperates or surrenders equipment or both, the fine for a first offense of pirate broadcasting on most frequencies currently is \$1,000; \$1,250 on others. Following a visit by FCC engineers, an operator receives a letter to that effect.

The letter, a "Notice of Apparent Liability," reads: "You are granted 30 days...to pay...or give reasons why [the fine] should be reduced or not imposed." *That* is the time for the pirate to write the FCC, state how cooperative he was during the inspection, state that he surrendered the equipment, and ask for a reduction in the fine. It is the time to express the financial hardship the fine represents, if the pirate indeed has limited income.

In many cases involving cooperation, equipment surrender, financial hardship or a combination, the FCC reduces the fine. These reductions are not publicized. For example, Gary Mathews, who operated WKND-AM, Pittsburgh, a pirate station on 1620 kHz, was visited in mid-broadcast by FCC engineers. His notice of apparent liability set his fine at \$1,000, and that figure was publicized. After he responded, his fine quietly was reduced to \$100. As has been found through interviews with pirates, sometimes the pirates themselves do not want to make public the fact that their fines have been reduced.

## **It's what happens afterwards that counts**

A fine issued to a pirate who cooperates and surrenders equipment is the same as the fine issued to a pirate who does not. But that does not mean the FCC will not "go easier" on a cooperative pirate. It is the pirate's *request* for leniency *after* the fine is issued that makes the difference. The FCC has not been known to reduce a penalty unless the violator *asks* for the reduction and gives reasons why a reduction is warranted.

The pattern of FCC actions shows the agency is interested in *compliance* with its rules, not in punishing violators. The surrender of a transmitter used in a violation is a sign the station operator intends to comply with the rules by ceasing broadcasting.

There has been some indication from FCC headquarters that amateur radio transmitters used for pirate broadcasting may no longer be accepted for surrender to mitigate the fine.

The FCC likes to accept the surrender of transmitters that have no legal use, such as non-type accepted CB transceivers, CB amplifiers with greater than 4 watts RF output and non-type accepted transmitters built for the FM broadcast band. Accepting their surrender prevents them from being sold or given to others who might return them to the air.

## **Amateur transmitters are 'legal'**

But an amateur radio transmitter has a legal use. A pirate faced with a \$1,000 fine might be motivated to sell such a transmitter to a legal user (a licensed radio amateur) to raise money to pay the fine. Thus, the U.S. Treasury benefits and the transmitter may be passed along to serve a legal purpose. For this reason, you may see fewer instances in which the FCC accepts amateur radio transmitters from shortwave pirates for the possible mitigation of a penalty.

*Many pirate broadcasters use "mail drops" to forward their mail. Why doesn't the FCC just intercept the mail drop's incoming mail to find pirates, instead of using radio direction-finding equipment?*

"Mail drops" are third parties who transfer mail between pirate stations and their listeners. Although procedures vary, what seems to be common is that listeners send their letters and three first class stamps to the pirates in care of the mail drop address, usually a post office box. The boxholder uses one stamp to forward the letter to the pirate and encloses a second stamp, which the pirate uses to respond to the mail drop. The boxholder uses the third stamp to forward the pirate's response to the listener.

Some pirates isolate themselves from the mail drop by using a trusted friend's or relative's return address.

Other pirates do not use a mail drop, preferring to respond only to published reception reports. Some who use that method have their mail posted from distant cities.

## **Privacy of mail**

Whether this much care is necessary is uncertain. Mail privacy is protected almost to the extent of telephone privacy. Federal law limits the information the FCC can gather from postal authorities. "We occasionally enlist their aid on certain matters," FCC Washington headquarters engineer Robert D. Weller said. "But there are a lot of restrictions on the circumstances in which when we can get their help and the type of information we can obtain."

Furthermore, the FCC radio direction-finding effort is not undertaken exclusively to locate the pirate station, though that is the immediate goal. Documentation of the direction-finding effort serves as evidence to support administrative, civil and criminal actions. The FCC has been known to dispatch two or more vehicles equipped with mobile automatic direction-finding (MADF) equipment to trace the source of a pirate broadcast. After the first mobile unit finds the source, the remaining mobile units often are left to continue tracing independently to develop corroborative evidence.

## **Gathering evidence**

Once he finds a pirate station, an FCC engineer asks for permission to "look at the transmitter" or to "inspect" the station. "Inspect," in this context, means "to gather further evidence." Discussions with the pirate broadcaster; measurements of the station output power, frequency and modulation; tape recordings of the pirate or the FCC engineer delivering a 'shut-down announcement'; photographs taken of the station, antenna and

location become evidence for possible use in hearings and trials.

Information postal investigations might reveal usually is unavailable to the FCC for lack of an appropriate warrant. "Suspicion of some connection with a pirate broadcast station" normally is not a persuasive reason for a magistrate to issue a warrant.

Thus, pirate broadcasters who use mail drops probably are at little risk of having their locations revealed to the FCC via a federal analysis of mail that flows through the mail drop. If their locations are revealed, it is much more likely to happen as a result of FCC radio direction-finding efforts, interference complaints or informants.

*If I have an amateur radio license and I broadcast as a pirate, too, does that mean the FCC can demand to inspect my station at any time? Such as, when I am broadcasting in the middle of the night?*

FCC amateur radio rule 97.103(c) reads: "The station licensee must make the station and the station records available for inspection upon request by an FCC representative." Rules for other types of radio stations are similar. Court rulings interpret them to mean "during regular business hours and any time the station is on the air." Thus, an amateur station licensee who denies a request to inspect his station between 8 a.m. and 5 p.m. or whenever it is on the air might be in violation. The FCC is not authorized to demand an inspection.

#### Don't sweat the small stuff

But for pirates, the fine points of inspection rules are relatively unimportant. If a pirate with a ham license broadcasts outside the ham bands, the incident is treated as unlicensed operation, not as a violation of amateur rules. If such a pirate turns away an FCC engineer, he is not likely to receive a notice based on the inspection refusal. He already is set to receive a violation notice based on evidence of unlicensed operation the FCC already compiled before requesting the inspection. That evidence includes bearings taken by radio direction-finding equipment and RF field strength measurements taken in the vicinity of the station.

FCC engineers inspect pirate stations to gather additional evidence of unlicensed operation by making electronic measurements, taking photographs and obtaining a confession by the operator to make the case stronger. The inspection adds evidence to use in possible administrative proceedings or civil or criminal court proceedings if the suspected pirate later denies the violation. In contrast, most amateur radio station inspections are conducted to resolve interference complaints by isolating the cause. Rarely do amateur station inspections result in fines or court proceedings.

#### When force is 'warranted'

Any pirate may turn away an FCC representative, thus refusing a station inspection. If the FCC decides the matter is important enough to use force, it asks a U.S. attorney to obtain a warrant—usually an arrest warrant for the station equipment. The warrant is served by one or more U.S. marshals, accompanied by one or more FCC engineers who point out the equipment to be seized and removed from the premises.

But it is more common for the FCC to send a notice of apparent liability to the suspected pirate broadcaster who refused the inspection request. Further action depends on the suspect's response and upon a repetition of the violation. Additional visits, with or without a warrant, may not be made. The greater the distance the FCC engineers must travel, the less likely they will return without the reason of a repeat violation. --Don Bishop

VERIED RESPONSE  
your center for QSL information and comment

John T. Arthur, proprietor  
RD #1, Box 15A  
Belfast, NY 14711

...with a little help from my friends and Staff Reporters Mark Pierce and Bud Wooten. VR is electronically transmitted to A\*C\*E Hdq on or before the 24th of each month. Please send your input and comments to the above address or leave them in the [P]ersonal Mail section of the ANARC TBBS prior to the 18th. Your active participation in the form of reports, suggestions or constructive criticism is solicited.

Something new has been added at this end: a shiney old Hammarlund HQ145AC is now taking up a lot of space in the shack. Shortly there will be a 170-foot longwire strung out back for it to work from. If you happen to have (or know of) a Hammarlund XC100P calibrator and/or HC10 IF unit, please let me know. And - really BIG news - by next deadline we should finally have the printer back on-line. Turns out that the parallel interface card had failed, so a new card has been ordered. Golly; we might be able to catch all of our own typos!

"Democracy isn't all bad;  
I was elected..."  
--Adolf Hitler

What's News:  
the media report

Here's a publication you might enjoy: Gajoob Magazine. They cover the cassette culture like a glove. Gajoob includes reviews, letters, profiles, articles, fiction and poetry, radio and Stoopid World News in its 64 pages. It's published quarterly and costs US\$10 per year from: Bryan Baker, POB 3201, Salt Lake City, UT 84110. With your one year subscription you'll also receive Gajoob Compilation Vol 1, compiled from over 500 indie tapes. [direct]

Dewayne Readus vows that his one-watt FM station, WTRA - 107.1, in Springfield, IL, will remain on the air despite FCC orders to shut down. Readus says he knows of at least 4000 other low powered stations operating in the USA, and he believes his station was singled out for prosecution because broadcasts have been critical of local police. According to one report, Springfield police were annoyed when WTRA broadcast news of police killings of blacks in Springfield. Readus, who is not only black but blind as well, did not show up for a Federal court hearing on April 9th, and has decided not to participate in any court proceedings unless he is offered a court appointed attorney, which he has, so far, been denied. "The FCC has the entire Justice Department," he said. "We'd be fools to do it without an attorney." Readus has said that he is willing to go to jail, if necessary, and proclaimed that if the government takes the WTRA transmitter away, they'll just get another one. For more information or to offer assistance, you may contact Dewayne Readus at: 333 North 12th St., Springfield, IL 62602, or call (217) 527-1283 (not collect). [Sound Choice #14, via Mark Pierce]

As you may know, the US government began broadcasts of TV Marti to Cuba on Tuesday, March 27th, on channel 13. The broadcasts, including a thrilling re-run of a "Kate and Allie" show, emanate from a blimp tethered in the lower Florida Keys at a cost to You taxpayers of some US\$4 million. However, the Cuban government has effectively jammed the transmission with about \$5000 worth of equipment. A State Department spokesperson said, "We regret that Cuba has refused to permit the free flow of information and ideas" - otherwise known as the truth as WE see it. This columnist wonders whether TV Marti has an FCC license, and if not why the FCC hasn't raided them and siezed the transmitter...? Watch these pages for further news.  
[Los Angeles Times, 28 Mar 90, via Mark Pierce]

support your club...say you read it in The ACE

Off the Wall.... the rumor center

A correction to last month's column: the proper zip code for the new Blue Ridge Summit maildrop is 17214, not 17294. Please update all your reception reports... The listing of the FCC's Ten Most Wanted (in the April A\*C\*E) was both interesting and puzzling at the same time. What was the rationale for placing some of the stations on the list? Some are completely understandable: Radio Clandestine has been a thorn in their side for nearly 15 years; Voice of Tomorrow and Free Radio One both advocate policies that Our government cannot approve; KNBS proclaims Your Right to say "Yes" when the entire government wants you to "just say No"! Hope Radio, WENJ and WJDI have technical excellence and obviously run some power. But why on earth is WWEO on the list? To my knowledge they've been on the air exactly ONCE. Not exactly a prime candidate for a Most Wanted station, yeh? And who/what is The Super Station...? I thought it was one of Ted Turner's satellite services; you'd think that would be easy enough to find... And where does FCC Field Engineer Serge Loginow get off with his comment that pirate operators are "mildly disturbed individuals"? Does he have a degree in clinical psychology - or any other basis to make that claim? It's MY opinion that FCC agents are "mildly disturbed individuals" and regressive fascists to boot. They're obviously on a power trip. Care to analyze that Serge?..

Mouthterpiece Theater (formerly: Soapbox)  
ACE members speak out:

Gollee...the letters come in spurts! This month we have some comments on the April feature article and a lengthy letter from Ray Cathode, Operator of the new Tube Radio:

"President George Bush has promulgated the concept of 'a kinder and gentler' nation, but the only ones who seem to benefit from this approach are the super-rich and the extreme right. We can look at any number of areas to see the effects of this 'new' approach. Notice how kind and gentle the FCC is toward the licensed superpower US stations which inhabit the shortwave spectrum. Notice how ARO's at least get written warnings to comply with the FCC regulations when they are in violation. This is true for most all licensed stations in the USA. Notice how kind and gentle the FCC is with the Voice of Tomorrow! After DFing the station to the Lynchburg, VA, area (actually to Staunton, VA. jta) and obviously being aware of the fact that the maildrop is tied to a reactionary organization, one would think that they would spend more effort trying to at least 'discourage' future broadcasts. Apparently 'hate' groups in this country are also privileged to the kinder and gentler approach.

"Now look at the recent treatment of the unlicensed hobby broadcasters. Do we see any kindness or gentleness here? A blind and disabled individual whose biggest enjoyment in life is his radio hobby gets fined \$1,000 and, if I'm not mistaken, his equipment taken. First time he was approached by the FCC in this matter, I believe. Sure, if the reports are true, he violated the law. Would a proportional action be taken against the owners of WSHB if they were found to break the law in a similarly 'dangerous' way? We all know the answer to this one. What about the small business owner who was merely selling equipment which had the potential for being used illegally? I'm sure businesses which sell guns and ammo are treated similarly. What about the entrapment used in the bust of Secret Society Radio and many others, or the extortion implicit in the idea that cooperation will bring a 'kind and gentle' fine (cooperation here includes giving up equipment as evidence, saying incriminating statements over the air in the presence of FCC agents, writing and signing incriminating statements, and issuing QSLs to FCC agents - which is merely another slick approach to securing evidence) and who knows what next. Yes, we can see a real kind and gentle approach being taken, can't we? Other enforcement bodies have a code of ethics they must follow!

"The big question in my mind is 'WHY?' Why all this fuss about unlicensed hobby broadcasters? Sure, maybe those being busted are

those operating most foolishly. Maybe. But that doesn't explain the FCC's approach. Could it be that the FCC sees the handwriting on the wall and is making a last-ditch effort to squelch the drive for a legal hobby broadcast band? Are they afraid that this may create a potential threat to AM, FM and SW broadcasters currently licensed? Never before have there been so many people involved in the 'Free Radio' scene. More and more stations show up every week. It looks like there's a possibility for another boom, such as occurred with CB in the early 70's (and quickly followed by the 11m craze). "We have small free press groups peacefully (usually) co-existing with the major press in this country. Why shouldn't there be a licensed hobby broadcast group? If it is licensed and regulated in a fashion similar to amateur radio, what would be the harm? We all see what full lawlessness can occur when fully deregulating; just look at CB radio. If the FCC doesn't try a kinder and gentler approach, they are inviting more radio chaos and more problems for themselves.

"Some of us might become out-and-out militant!"

Well, I agree that the FCC's heavy-handed and outside-the-law approach has (and will) generate more opposition. Every time they put their collective foot down there is a (temporary) lull in activity - and then the cycle starts all over again with a bigger crop of newer stations. However, I do NOT agree that a hobby broadcasting band needs to be 'licensed and regulated', and your use of CB was not a good example. CBers knew that they had a Right to communicate, and communicate they did - in such numbers that they simply overwhelmed the FCC. Once the FCC faced reality, they simply threw in the towel. Additionally, the basis of Free Radio is the lack of a license and regulations. Certainly hobby broadcasters should meet reasonable technical specifications, but there's no need for all the rest of the stuff; it will simply price the hobby out of the reach of the average American, which is counter-productive and would cause even more radio pirates to begin operating and ignore the hobby band... jta

"Outstanding info on pages 14, 15 & 16 of the April A\*C\*E. Think you ought to reprint this twice a year! The FCC is a Federal Agency running out of control... even the IRS is now more controlled." George A.

"It's about time that some of the newer stations got educated in sound operating practices. It's also about time that the FCC gets a budget cut. Some jerk QRM'ed a legit distress signal in the Atlantic recently, the boat sank and everybody drowned. Perhaps the FCC's priorities are to chase WHBH while the dangerous RFI nuts run loose unimpeded. Their budget, I repeat, should be cut, unless they drastically re-orient their management. Luckily, with Gramm-Rudman, their budget IS being gradually cut." George Z.

What do YOU think? VR is a forum for Your opinion and comment. Kindly organize Your thoughts, be concise and expect comment directed at Yours. I may edit to fit space available but will try not to alter Your intended meaning.

May I Have The Envelope Please:  
the results of the 1989 A\*C\*E Pirate Popularity Poll

It was only to be expected; with an increase in activity there was a distinct increase in voting for this year's poll. And, as suggested last month, there are some surprises in the results. First, let me explain a slight change in the way your votes were counted this year. First, you were encouraged to vote for the three Best and three Worst stations. All votes were tallied and graphed. Then, all positive votes for a particular station were combined. All negative votes were combined, and the negative total was subtracted from the positive total for the final tally. [Example: Radio X received two votes for Best in Programming and one vote for Best in Technical, but also received two votes for worst in Technical because of some problems experienced during a broadcast. Their total points are (2+1)-2, or One Vote.] Thus, some stations cancelled right out of the Poll.

In the Technical category, the Best stations were KNBS and WJDI, with



Hope Radio, Radio Clandestine and WENJ placing second. Honorable mention goes to Free Radio One, Radio Free Willy, The Radio Station and Voice of the Abnormal.

Worst Technically was a tie between Radio Garbanzo and WRNR, with dishonorable mention to Cystic Radio America, RFM, Voice of Pancho Villa, WCPR, WHBH and Yuletide Radio.

In the Programming category, the Best station was The Voice of Laryngitis, with PRN/Radio Clandestine in second place, Radio Garbanzo third and KNBS a solid fourth. Honorable mention goes to Radio Free Willy and WKND.

Worst Programming is a tie between Free Radio One and Hope Radio, with Hello Radio a strong second and dishonorable mention going to ECPR and Voice of Tomorrow.

Ultimately, with all the mathematics done, the Best Pirate of 1989 Award goes to PRN/Radio Clandestine. The Voice of Laryngitis and KNBS are second, with Radio Free Willy, Radio Garbanzo, WKND and Voice of the Abnormal third. The Worst Pirate of 1989 Award goes to both Free Radio One and Hello Radio, with ECPR, Hope Radio, WHBH and WRNR pulling dishonorable mention.

Surprise? You bet! Voice of Tomorrow is no longer the station you love to hate. In fact, they got as many positive votes for their technical excellence as they got negative votes for programming, thus they cancelled out altogether. It does not totally surprise me that Volaryngitis didn't win absolute Top Honors this year, since they only broadcast twice. But it does surprise me that a station with an unpopular message, KNBS, was voted into a tie for second place, things being what they are these days.

Some selected comments from the voters:  
Voice of Laryngitis: "Their return was the best news of the year. They set an outstanding standard that forces other stations to emulate them, and they therefore improve the status of pirate radio as a whole..."

Voice of the Abnormal: "Even with only one show, the voice of Yukon Jack and the way the Halloween Special was put together merits my vote..."

KNBS: "Phil did enough to get on my list this year; his shows were always entertaining. He also made an important political point that will be recognized when the history of the 20th Century is written- 'America does not have a drug problem - it has a drug law problem.'"

TRS: "The modulation mode (though experimental) was an important milestone in shortwave radio history, not just in pirate history. They had the widest frequency response, and thus the best music audio, of any SWBC station I've ever heard..."

Congratulations to the winners, better luck next year to the losers, and thank YOU for your support! Start keeping notes for next years' A\*C\*E Pirate Popularity Poll.

\*\*\*\*\*  
++ under the door ++ QSL report for May 1990  
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Massachusetts' Nick Grace has noticed that his QSLs are not arriving. Among the missing varies is a full data postcard of the Hudson River Valley from WRNR - 6250 signed by Bob in 43 days, a full data paper "crossed swords" card from Secret Society Radio signed by Pirate Jim in 48 days with a personal letter, a full data white card from Samurai Radio - 7375 in two months and a full data "train in international waters" card from Radio USA - 7375 signed by Mr Blue Sky in 20 days. Generous reward is offered.

Ontario's Bob Ross stapled two full data cards from Weekend Music Radio - 6309.6 and 15043 signed by Jack Russel in two months, a full data green paper card (#40) from East Coast Pirate Radio - 15045

## DX Clip Board

Andrew Yoder  
POB 109  
Blue Ridge Summit, PA  
17214

Howdy again, maybe the last time from WV. So, stns, if ya wanna get a report from WV, ya'd better get on soon, cuz I'll be back in PA real soon. What's all this QSO stuff? Yeah, its sometimes pretty fun to listen to, but guys, try to keep the bands a bit clear. This past Sunday had, like, 6 hours of QSOing and 1 hour of broadcasting. Maybe moving to a lesser used frequency, moving to the CB band, etc would've been a better idea. For that matter, the trusty phone would have been a nice choice. Still, it

was nice to hear new ones, like East Coast Beer Drinkers, Outlaw X, WPRA, etc. I do like to hear a few QSOs and I think that they are important for informing soon-to-be pirates. But remember to be courteous to other stations who may want to air programming on the frequency (ie dont hog the frequency with endless rag chewing) and remember that QSOing can be dangerous. If the FCC already knows your location and you start QSOing, they may track you down, even tho you're only on for 2 or 3 minutes at a time. After all, they can keep driving when you arent on the air! Anyway, dont take any unnecessary chances.

OK, here's a good question for all you pirate experts: Can you count a QSO pirate as a pirate towards your station-heard totals? Personally, I consider it as a pirate-heard only if the station broadcasts, too. For example, I considered East Coast Beer Drinker a bootlegger & not a pirate, cuz he only QSO'd. But then I heard him again a few days later with a broadcast, so now I consider him a pirate. So what do some of you think about pirate QSOs and are QSO-only stations pirates, etc? I'd like your opinions on the subject & maybe I can print a few for the next DX Clipboard. Wow, this is starting to sound like Geraldo, Donahue, or one of those insipid talk shows. Maybe I should start my own cable TV talk show with pirates, hi!

I would normally send this information in to John Arthur for Veried Response, but I need to fill space and he always writes 4-page columns, anyway so I'll use it here. Good sources of alternative info for pirates: First off is the Great Atlantic Radio Conspiracy, 2743 Maryland Ave, Baltimore, MD 21218. They've got radio programs about the military, animal rights, environmental issues, anarchist thoughts, nuclear war and power, etc. They have probably about 100 different, relatively inexpensive programs that you can order on cassette. The topics generally seem to be socially/politically active, liberal, from a small or no government perspective. So, if ya like those kinda politics or if ya just wanna check'em out, do it.

Another interesting catalog comes from Loopanics Unlimited, PO Box 1197, Port Townsend, WA 98368. These guys are into weird books about lots of mostly illegal things. They seem to take a no or small government approach except from a more libertarian approach. (yeah, I know that anarchism & libertarianism melt together in places, but I'm tryin, OK). These guys are into lotsa nasty stuff, like: making bombs, building guns, poisoning people, Killing people in about 1000 different ways,; plus lots of interesting, alternative non-violent books. Just glancing through it, I found a 2 hour VHS video called "Arise-- The SubGenius Video" Guess what? An entire video from the people who created The Voice of Bob & the whole Bob pseudo-cult. That costs \$39.95, so I doubt that tons of people'll buy it, but it's worth checking out these catalogs. I don't think they cost anything, but I dunno fer sure.

A couple of new stations have just recently begun broadcasting that are worth checking out are Midnite R. and CSIC. Oops, I also forgot WMEX/R.F. Yesterday, Midnite R seems to like the 7415 area--they've been on at least once. CSIC is on as I write this; they're an easy on to pick out with 1 male announcer and 4 (!) female announcers. Also, they use freqs in the 43m & high freq 41m area. Radio Free Yesterday/WMEX is another interesting operation. The programs are apparently professional quality oldies music and advertisements. The power must be high, since they've been heard from Hawaii to Connecticut on either 6852, 7400, or 7432 KHz. This one has no address, but it has sent out QSLs to listeners who have report

but they have sent out QSLs to listeners who have written in to Pirate Pages. The other two stations both use the Blue Ridge Summit address.

The following segment comes from the Editor of Activity Magazine, an English free radio mine. I asked him about how the Europirates operate mobily. And he sent a letter detailing the operations. So, here goes...

\* \* \* \* \*

continued to page 31

Harry L. Helms AA6FW  
7445 Andasol St.  
San Diego, CA 92126

## COVERT CORNER

Yeah, no column last month. No support from the humble natives. Got real depressed —was feeling vaguely suicidal. First no input from my extended radio family out in ACEland, and then Hulk Hogan gets pinned by the Ultimate Warrior. I was about to reach for the Smith & Wesson, but then I heard that *RoboCop 2* opens June 22. And, on top of that, *Twin Peaks* is all that I had hoped! With this renewed will to live, I thus present the May column.....

The Foghorn continues to behave in a bizarre fashion. On April 6, it was observed simultaneously on 6936 and 7944 kHz around 0540, although the two frequencies were not in parallel. Signals were down from the usual level, averaging only about S5 or so, and were continuous. On April 8, an open carrier on 8030 kHz prior to 0400 ended with a single tone at 0400 and into the Foghorn with its normal strength (S9 + 20 dB) and operating pattern (30 seconds on, one minute off). It was last noted on April 15 at 0339 on 8071.

Maybe it's bad karma on my part, but I'm bumping into those raspy "dot/dash" stations lately, to wit:

2471	Dit-dah-dah-dit-dit-dit 1205 4/19
7893.5	Five irregularly spaced dots 4/1 0530
10187	Eight dots, one dash 0436 4/8

I also received some logs this past month from the ever-reliable George Zeller (you can depend on George, and you should buy his book) along with "Potato Chip," the *nom du modem* of a YL from the greater Washington, DC area. Here they are:

6840	0242-0243* 2/4, fast-talking OM in SS similar to the famed "Babbler" of a few years ago, no reply (Zeller, OH)
6924.6	2340 2/4, Foghorn taking out KKN50 QRA marker (Zeller)
7535.8	0400-0406* 1/28, slow musical notes, apparently piccollo (Zeller)
10284.5	0145, 2/12, "V" beacon unlisted in Klingenfuss (Zeller) Then obviously it doesn't exist and you couldn't have heard it! (HLH)
17413	KKN39, U.S. Dept. of State, Florida??, QRA marker 1923 (Potato Chip)
18524	KKN50, U.S. Dept. of State, Virginia??, QRA marker 1614 (Potato Chip)
25898.2	1815-1830*, 4/7, low-pitched noise similar to Foghorn but as musical notes slowly G-D-A, repeated twice per minute, dead air between. (Zeller)

George also notes that he was playing with a Sony 2010 on display in a local store on 4/13, and he tuned a five-digit Spanish numbers transmission on both 5044 and 6840 at 2300. George said the 5044 signal was the only one audible on 60 meters at the time, and had to be coming from somewhere not more than 500 miles from Cleveland given the propagational possibilities at the time. Right you are, George. While 6840 is a very active Warrenton channel and the likely site for that frequency, I wouldn't be too surprised if 5044 wasn't much closer to you....like maybe in the Dayton area???

While not exactly covert, KUSW has been heard on both 4/15 and 4/22 on 4908 kHz until 0500, which is when they switch from 6175 to 9815 kHz. I called the Livermore, CA FCC monitoring station on 4/15 while this was in progress, and they said they were also hearing them. Curiously, the FCC wasn't sure if the frequency was authorized or not, since they said their database isn't updated as often as they would like! However, they did have a definite DF for Salt Lake City. I called KUSW the next day, and "Todd" said they knew nothing about it and he would tell his boss about it. Try again, Todd!!

East Coast Pirate Radio made it here from 0434 to 0516 on 4/22 on 7413. Were testing with the *Let It Be* Beatles album; definite ID 0444 when seemingly calling other pirates. Signals about S5 to S7 with better modulation on records. Please report for next month!

Harry



HAVANA MOON  
117 W. Harrison Building  
6th Floor, Suite H-319  
Chicago, IL 60605

=====

In the dark crystal pool  
Petals drift softly  
While reflections of moonglow  
Fade with the dawn

-----

-- kurichan

=====

### \* Numbers 101, Part 6 \*

#### Type Five Transmission Formats (3/2 English)

-----

"361" (repeated three times)  
1234567890

-----

(This header, consisting of the identifier and the count from 1-0 is repeated for a full five minutes)  
(10 electronic tones)  
(repeated twice - corresponds to group count)  
(cipher text or crypt)

"Count xx"  
"xxx xx xxx xx . . ."  
"Repeat"  
"Count xx" (as above)  
"xxx xx xxx xx . . ."  
"End"

You'll never find any 'sins of omission' with transmissions of this type. They are perfectly timed, well modulated, brisk and utterly bionic. While 5-D Spanish are often so technically inept as to be amusing, there isn't a single hair out of place with this group.

The cadence moves like this - 123.45..123.45..123.45.. where '.' equates to a pause equivalent to the spacing between the numbers. So if you were to pace it through, each group of 3/2 numbers when combined with its spaces yields a count of 8 - one full 3/2 set with its spaces occupies an 8 second block.

5047 and 6840 kHz are good places to look for 3/2 English - in fact, you're likely to find them at all times of the day. Given propagation issues, these frequencies are very interesting, indeed. Try at 1500, 1900 and 2300 UTC. The two frequencies run parallel.

AND NOW . . .

3927 kHz	0500 UTC	5-D	SS	YL	USB	MC/DC
4881	0300	5-L	EE	YL	AM	kk/NY
[Uniform, Kilo, X-Ray, Golf]						
6510	0510	5-D	GG	YL	AM	MC/DC
6821	0330	6-D	SS	YL	USB	JF/CO
[The 6-D is correct. This was a live transmission].						
6825	0702	5-D	SS	YL	AM	JV/CA
7413	0445	3-L	??	YL	AM	MC/DC
[The language on this transmission is unidentified. The announcer repeated the same three words for five minutes. The first and third words appeared to be the same. Note: See John Brewer's report below].						
7832	0517	3/2	EE	YL	AM	MC/DC
[The language on this transmission appeared to be a mixture of English and another unidentified language.]						
8056	0305	5-D	SS	YL	AM	JF/CO
8186	0610	5-D	SS	YL	AM	JV/CA
10125	0245 [PAB]	CIO-2	EE	YL	AM	kk/NY
		VLB-2	EE	YL	AM	kk/NY

[Charlie India Oscar-Two is routinely heard on this frequency. Victor Lima Bravo-Two has been absent for some few years. This was a highly unusual transmission - each station at full power and very clearly heard to begin and end at the same moment. Curiously, VLB-2 has been noted once again routinely on 7605 kHz at this same time.]

11125 0300 1/2 SS YL/OM AM ZE/MO  
[This live transmission began with a female announcer, and then

switched to a male. 2/2 format is correct].							
12301	0100	4-D	SS	YL	USB	kk/NY	
	2200	4-D	SS	YL	AM	kk/NY	
20316	1835	5-D	SS	YL	AM	ZE/MO	
21860	1814	5-D	SS	YL	AM	ZE/MO	
22110	1400	5-D	EE	YL	AM	AT/MA	
22220	1400	5-D	EE	YL	AM	AT/MA	

#### REVENGE OF THE PIRATES

Smuggler's Moon has become a way of life on "Los Numeros" and we bagged what has to be a world record between April 15 and April 16. Sixteen. Count 'em - sixteen! Including: WX2R, East Coast Pirate Radio, Voice of Monotony, WRFI, KBFA, Radio USA, Samurai Radio, Voice of the Mountains, Rockabilly Radio, WPRR, Radio Outlaw, East Coast Bear Drinker, 4th of July Radio, Radio Free Papacia (?), Radio Ganymede and The Revolutionary Voice of Plainville.

Several of this group were heard in a QSO testing signal strength and antenna headings around 0000 4/15 - and an Easter Bunny Special followed beginning at 1600 UTC which ran almost uninterrupted until the regular 0345 numbers transmission began on 7415 kHz. East coast Amigas relayed the programming to those out of earshot - so this event was really 'heard' across the country!

Special Havana Moon Reception Reports on the way via the mail drop circuit - we'll be waiting for those QSLs!

And to East Coast Pirate Radio and "Radio Clandestine, Radio Clandestine Calling . . ." at 0430 on 4/22/90, you were definitely 'seen' from coast to coast by Amigas from New York to San Diego!

Confidential to Commandante John of The Revolutionary Voice of Plainville - your attempt at a numbers transmission had us rolling on the floor! Note the transmission format described above - your 3/2 was slightly off pace. A couple of hints - first, it's a generally accepted practice to begin \*AND\* end a numbers transmission in just one language:

"Cuatro - I mean Four" is not popularly acceptable form! And another thing - classic numbers transmissions utilize only the numbers 0-9. 11s and other two digit numbers are just \*NOT\* what professional Numbers people use. And BTW - I am \*STILL\* patiently (?) awaiting verification as requested in the Plainville Mailbag item you read aloud. C'mon now. PSE QSL!

You couldn't help but notice that the high speed CW "E's" which generally precede the Soviet Navy's 0345 Numbers transmission were replaced on the night in question with a series of "FU's", now could you? It would seem that the Comrades are not totally lacking in a sense of humor, now would it?

Sincerely,

Havana Moon, USA

/ps/ Why the non-standard pronunciation of 'Havana', Commandante? HM's ELECTRONIC RECEPTION REPORT

Message-Id: <9004130232.AA13222@decpa.pa.dec.com>  
Date: Thu, 12 Apr 90 19:32:07 PDT  
From: <brewer@anarky.enet.dec.com>  
To: havanamoons@cup.portal.com  
Subject: 7413 Numbers Station

Hi HM!

Don't know whether or not you know any details about the numbers station on 7413, but I thought I'd pass along one item. From the listening I get of the station (especially recently) the signal definitely has that kind of "ringing...wavering" quality one hears on signals that are far away. Hard to describe, and I'm not sure what causes this phenomenon (multipath?) but it sure has that fluttery quality indicating that "it ain't close".

Unfortunately, since I have spent a lot of time in the 7400 area, I have had ample time to study its nuances :-). I have not heard that YL voice "numbers" station that I had logged several times at about 0445 AM with a very strong signal in a language that I could not identify. This one started with the phrase "good luck chief, good luck" over and over... this was not what was being said, just what the cadence sounded like in English. Well some OC's in the pirate area tonight, but nothing else... Fingers crossed for some activity manana...

/john

More on this frequency to come. High speed CW numbers transmissions are routinely noted and the YL voice transmission has been monitored by several contributors. She even made it into Dr. John Nantowess's "Outer Limits" column last month! Stay tuned.

#### HM's YL OF THE MONTH

Sharon L., from Virginia - a perfect example of the "If You Can't Beat 'em, Join 'em" approach to Shortwave Listening. From what we've seen in the past, the Virginia Spooks will soon be queuing up at Sharon's door asking for advice! Say, Sharon - is that famous "Virginia Is For Lovers" bumper sticker still making the rounds? I hear there are plans in the works to change it to "Virginia Is For Spooks!" And another thing - did you know that you live in a part of the country where the [all references deleted in the interest of national security] AKA "Moon" family name first made its appearance in the colonies? Just never know who your neighbors might be related to!

Welcome to the Hobby, Sharon - we're glad to have you!

#### CONTRIBUTORS CORNER

Zel Eaton, John Ferguson, Michele G., Jim Nicholson, Andrew Tarnanbaum, John Brewer, Commandante John and "HM"

#### HAVANA MOON RECOMMENDS . . .

- The Shortwave Listener's Program Guide - The only reference source you'll need to stay in step with those ever-changing International Broadcasting schedules. (SWLPXG - PO Box 472, Annandale, VA 22003 - \$14.95).
- The Radio Collection, from Moonbeam Press. From books to software, from Newsletters to T-shirts - we know how to make radio fun! Just a \$4.95 will get you a copy of our brand new catalog - and a special coupon good for \$2 on your first order! Just be sure to tell us you're from A\*C\*E! (PO Box 149, Briarcliff Manor, NY 10510).
- That you stay away from the DAK receiver and \$.39 lighters - They tend not to be reliable - although come to think of it, when you get to the bottom line, the lighter can really get to be one hell of a hot performer. Take it from one who knows!

#### MEANDERING MOON

- TV Marti (Bush's Folly) has the dubious distinction of being the US Government's very own political clandestine broadcaster - and its funded by \*YOUR\* tax dollars.
- Did you ever think you'd be part of an effort to sponsor "Kate and Allie Visit Havana?" Boy, that bit of information does wonders to ease the sting left from writing that check to the good ole IRS doesn't it?
- Reception Tips - Although in the frequency bands lower than 25 MHz, the rule generally is 'The Higher The Better,' where antennas are concerned, here's a hint for those of you (who, like me) are somewhat constrained when it comes to erecting mile-high metal umbrellas in the back yard. Try attaching a wire to a metal bed spring - it'll yield reception par excellence! Why? Number one, it's metal - number two, it's got a large surface area. One caution. This will work only with the old fashioned kind of bed spring with exposed coils. For the rest of you - don't get caught cutting through the mattress cover - it could be detrimental to your health . . .

# THE LAST WORD

Good news, fellas - kk's Famous Last Word is generating so much mail that it will become a regular feature of "The Los Numeros Update." So send your computer questions to Kristin - she can sure make computer applications for radio enthusiasts come to life! Write to 'kk' at PO Box 149, Briarcliff Manor, NY 10510.

Hi, Folks!

I've been swamped with mail from A\*C\*E Members with questions about computers and how they relate to Shortwave Listening. This month, a couple of recommendations for those of you who enjoy listening to International Broadcasters - but who most assuredly don't enjoy trying to keep track of their schedules.

SHORTWAVE DATABASE from PC Software by W2XQ, winner of the 1989 WRTH Award for Best Computer Accessory, makes the job of locating your favorite broadcaster a piece of cake. Available for MS-DOS machines (hard drive required), this database software is a great value. Three sorts are available - by time, frequency, and day of the week. A subscription update service is also available. (TRS Consultants, PO Box 2275, Vincentown, NJ 08088, \$25.00. Information about receiver control software also available, send a SASE).

Now for you C-64 users - I know you've been looking for something similar for a very long time. The inherent memory limitation of this machine has conspired against it - that is, up until now. The International Broadcasting Database Manager, DBASE.SWL, has been nominated for the 1991 WRTH Industry Award for Most Innovative Software.

DBASE.SWL displays time-graphs of broadcast activity by frequency, station or shortwave band. The displays are dynamic, updating every fifteen minutes, so that the current status of shortwave activity is always displayed. The software allows creation of multiple databases, so there are lots of other opportunities here for listening that is not oriented to International Broadcasting - utilities, pirates, Numbers stations - you name it - create a database for any kind of listening! (Available from The Radio Collection, address as above, in HM Recommends. \$19.95).

And here's a Radio BBS for you to try - The Source of Magic at 203-431-4687. Jack Sanders has a nice collection of radio-related text and applications software files available for download - and he carries the Shortwave Echo, as well. Best file? Jack's compilation of "Old Time Radio Shows." Regularly updated - and just the thing if you are a fan of Dr. Demento, Hopalong Cassidy or The CBS Mystery Theatre.

Till next month - that's the last word.

88s

'kk'

So that's it, folks - thanks go to Harry Helms, Zel Eaton, Wyvern, Jonathan Marks, Kirk Baxter and the Easter Pirates - thanks also to Pete Kemp, Hugh Stegman and Martha Wood. And to The Amiga. Contact KK and me via the following Internet E-mail addresses: HAVANAMOON@cup.portal.com ckp@cup.portal.com Adios . . .

See you at the Denny's on the Beach. Time now for a Tecate and . . . Havana Moon y Amigas 33469

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signed by N Tania in two months, a full data postcard of the Hudson Valley from WNNR - 7415 signed by Bob in one month, a full data plain white card (#10) from WLAR - 7425 in one month, a full data sheet with station card and stickers from Radio Orangutan - 6206 signed by Freddy in one month, and a full data computer generated sheet (#17) from Radio Mexico International - 7425 in two months to his forehead.

Ohio's George Zeller threw his wife out of the garage to make room for a full data color postcard of the Hudson River from WNNR signed by Bob in 114 days, a full data "trial" card from WXZR signed by Klaus Kinaki in 26 days, a full data sheet and photo from WLIS signed by Charles Poltz in 8 days, a post-in-vale statement on press release from FCC for WHBH bust signed by Dennis J Everett FCC Field Engineer in 33 days, a full data multi-color letter from Radio Mexico Int'l signed by Jorge in 40 days, an additional paragraph on the RMI QSL for Radio Haul also signed by Jorge, a full data "we fart in your general direction" sheet from Radio Flattus signed by Bored in 29 days, and a new green cannabis fiber card from KNBS with pennant in about three weeks.

Ohio's David Dunn moved to a new apartment to accommodate a full data paper card from WNNJ - 7416 signed by Jack Beane in six days, a full data green cannabis fiber card (#110) from KNBS with pennant in ten days, a full data oversize paper card from Secret Society Radio - 7410 signed by Pirate Jim in ten days, two full data yellow cards from Radio USA signed by Mr Blue Sky with stickers in two and three weeks, a full data "bean boom" sheet from Radio Garbanado signed by Fearless Fred in six weeks, and a card and letter from One Voice Radio signed by Joe in three weeks.

Ye Olds Militaire managed an unsigned full data sheet from Radio Platform 7414.8 with personal note apologizing for the delay in 24 days, a full data bi-colored sheet and plain white card (#20) from Radio Mexico signed by Jorge in 13 days, a full data "trial" card from WNNR - 7415 signed by Klaus Kinaki in 18 days, and a full data sheet from Voice of the Kentucky Fried Tentacles 7487 signed by Colonel Sanders in 16 days postmarked Pago Pago, American Samoa, a full data yellow "rodent revolution" sheet from WBNY - 7415 signed by Commander Bunny in 24 days, and a full data "commando" card from Radio Mauser Worldwide - 7403 in 11 days.

continued from page 25

UK Mobile Broadcasting

"Okay, you want to know about mobile operations! Well, most of it is pure common sense. The biggest problems stations have when going mobile is that they want to run for several hours (on FM that is), but on shortwave it's fairly simple. All you want is an isolated place with a good view of perhaps coming vehicles, etc. Make sure its fairly quiet since a 70 foot dipole might be noticed!

Now, your main equipment is a timer, which will switch your equipment off automatically. So, have your tape running with the equipment left unmanned. There's a saying in the UK, 'it's better to lose equipment than to get caught and then lose your equipment anyway.'

For long operations you want a cheap auto-reverse tape deck which will run automatically or a reel-to-reel at slow speed. But on shortwave you're probably only interested in doing an hour or so, so you just want a cheap portable tape deck.

Your timer is the most important item 'cause this'll switch off the equipment. If you should go back to the equipment and get caught, there's less evidence - you just play ignorant. A few stations here use timers, but many just leave their equipment unmanned and go back and switch it off! Others operate from their homes. Of course, here we have as much piracy on FM as on SW. Some stations use a link on UHF in the London area, so you've got a radio receiver going into the transmitter!

In the U.K., the authorities usually raid a station by taking away the equipment, so the FCC would probably do the same if they raided an unmanned transmitter. If they did wait, you'd have to be careful in your approach. They have to prove you did it - the ball is in their court! Here it's common for them to turn up, switch off the transmitter and take it away. This really only goes for FM; SW raids are extremely rare here in the UK."

Look for part 2 next month in the ADN.



ASSOCIATION OF CLANDESTINE RADIO ENTHUSIASTS  
 P. O. Box 11201  
 Shawnee Mission, KS 66207-0201  
 \*\*\*\*\*

The A\*C\*E is an association of individuals who find pirate, clandestine and covert communications an interesting part of their radio listening hobby. The primary existence of the club revolves around the publication of a monthly bulletin, The A\*C\*E. The bulletin reports on pirate, clandestine, covert and other unexplained broadcasts. Also, the readers are provided with other available material concerning motives, explanations and theories behind these various broadcasts and broadcasters. The ACE as an organization, does not encourage, support or condone any illegal activity; we simply seek to understand the nature and reasoning behind such broadcasts. If your interests include listening to pirate radio stations, clandestine broadcasts and covert communications, The A\*C\*E is for you!!

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- Kirk Bayter ..... Dialogs
- Don Bishop ..... Features
- Harry Helms ..... Covert Corner
- Havana Moon ..... The Los Numeros Update
- Andrew Yoder ..... DX Clip Board
- George Zeller ..... Clandestine Profile

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